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- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

The diagram illustrates a network architecture. On the left, a Mobile Terminal (MT) is shown. It is connected to a Broadband Access Network (302) via several access points. These access points are grouped into two categories: 305 (CGI-1, HBS1 and CGI-1, HBS2) and 304 (CGI-2, HBS3 and CGI-2, HBS4). The Broadband Access Network (302) is connected to a Core Network (303) via a Broadband Access Network (302). The Core Network (303) is connected to a Core Network (20) via a Broadband Access Network (302). The Core Network (20) includes HLR, MSC, SGSN, and VLR.

(57) Abstract: An unlicensed-radio access network is proposed for communication with a mobile terminal and packet service nodes in a core network portion of a mobile telecommunications network. The access network comprises local base stations each defining a mini-cell and adapted to communicate with mobile terminals over an unlicensed-radio interface and an access network controller connected to the local base stations and to a packet service node in the core network portion. The mini-cells are also grouped into at least two packet service cells. The local base stations that generate these mini-cells are assigned a cell identifier comprising a first identifier portion that is common for all local base stations connected to the access network controller and a second identifier portion that is different for local base stations in different packet service cells but common for all local base stations in the same packet service cell.